

## FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 140A, AC COIL 60HZ, 220VAC



Product designation Power contactor Product type designation **BF95** 

Product type designation			BF95
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	140
Operational current le			
	AC-1 (≤40°C)	Α	140
	AC-1 (≤55°C)	Α	115
	AC-1 (≤70°C)	Α	100
	AC-3 (≤440V ≤55°C)	Α	95
	AC-4 (400V)	Α	45
Rated operational current AC-3 (T≤55°C)	, ,		
, ,	230V	Α	95
	400V	Α	95
	415V	Α	95
	440V	Α	95
	500V	Α	95
	690V	Α	93
	1000V	Α	33
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
·	≤24V	Α	140
	48V	Α	140
	75V	Α	100
	110V	Α	10
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	Α	140
	48V	Α	140
	75V	Α	140
	110V	Α	110
	220V	Α	12
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	Α	140
	48V	Α	140
	75V	Α	155
	110V	Α	120
	220V	A	125
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	220 V	,,	120
120 Max surrous to in 201 Mail E/1 = 1110 Wall 4 poloo il 301100	≤24V	Α	140
	48V	A	140
	V	, ,	, 10





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	75V	Α	155
	110V	Α	140
	220V	A	140
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	140
	48V	Α	44
	75V	Α	36
	110V	A	6
150 DOO DOO 111 L/D + 45	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	-0.1V.	•	4.40
	≤24V	A	140
	48V	A	63
	75V	A	60
	110V	A	55 7
IFC many assument to in DC2 DC5 with L/D < 45 may with 2 males in applies	220V	Α	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	<2417	۸	4.40
	≤24V 48V	A	140 115
	48 V 75 V	A A	90
	110V		90 85
	220V	A A	76
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	220 V		70
TEC Max current le in DC3-DC3 with E/N = 13ms with 4 poles in series	≤24V	Α	140
	48V	A	110
	75V	A	110
	110V	A	105
	220V	A	95
Short-time allowable current for 10s (IEC/EN60947-1)	220 0	A	760
Protection fuse			
	gG (IEC)	Α	160
	aM (IEC)	Α	100
Making capacity (RMS value)	( - /	Α	1200
Breaking capacity at voltage			
3 24 22 3 20 2	440V	Α	1100
	500V	Α	775
	690V	Α	745
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			
	Ith	W	8.8
	AC-3	W	4.1
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	Ibin	4.4
	max	Ibin	5.2
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.59
	max	Ibin	0.74
Conductor section			
AWG/Kcmil			
	max		2/0





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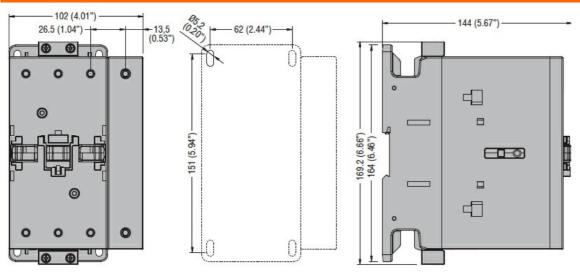
	Flexible w/o lug conductor	section			
	-		min	mm²	1.5
			max	mm²	70
	Flexible c/w lug conductor	section			
			min	mm²	1.5
			max	mm²	70
	ion according to IEC/EN 60	529			IP20 front
Mechanical features					
Operating position					
			normal		Vertical plan
			allowable		±30°
Fixing					Screw / DIN rail
					35mm
Weight Conductor section				g	2420
Conductor section	ANAC/komil conductor coo	tion			
	AWG/kcmil conductor sec	uoi1	max		2/0
Auxiliary contact chara	cteristics		шах		Z1 U
Thermal current Ith	bionotios			Α	140
Operations					170
Mechanical life				cycles	15000000
Electrical life				cycles	1400000
AC coil operating				O y O l O O	1100000
Rated AC voltage at 60	)Hz			V	220
AC operating voltage	··-			<u> </u>	
3 3 3 3 3 3	of 50/60Hz coil powered a	t 50Hz			
	-	op-out			
		•	max	%Us	55
	of 60Hz coil powered at 60	)Hz			
	pi	ck-up			
			min	%Us	80
			max	%Us	110
	dr	op-out			
			min	%Us	20
			max	%Us	55
AC average coil consu	·				
	of 60Hz coil powered at 60	)Hz			
			in-rush	VA	300
Di	-00°0 FOLL		holding	VA	20
Dissipation at holding:	:20°C 50HZ			W	6.5
Max cycles frequency				ovoloo/b	1500
Mechanical operation Operating times				cycles/h	1300
Average time for Us co	entrol				
Average unie iui US CC	in AC				
		osing NO			
	Oi	Coming 140	min	ms	16
			max	ms	32
	Or	pening NO	max	7110	~ <b>-</b>
	<b>σ</b> <sub>1</sub>	, <del>.</del>	min	ms	9
			max	ms	24
UL technical data					
General USE					
	0 ( (				



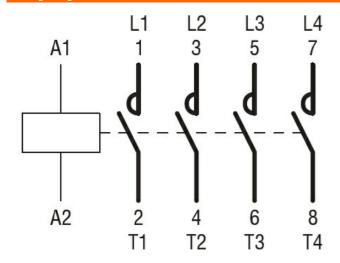
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		AC current	Α	150
Short-circuit protect	tion fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	Α	200
		Fuse class		J
	Standard fault			
		Short circuit current	kA	10
		Fuse rating	Α	250
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Dimensions				

#### **Dimensions**



### Wiring diagrams



# Certifications and compliance

Compliance



### BF95T4A22060

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 140A, AC COIL 60HZ, 220VAC

	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-1
	IEC/EN/BS 60947-1
	IEC/EN/BS 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	
	CCC
	cULus
	EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching